

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/20/2020 10:04 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124735	-1	1.69	124829	1.77
Blue	F	SSC	125000	124873	-1	1.75	125692	1.70
Blue	E	FITC	15892	15608	-2	2.73	339	20.27
Blue	D	PE	29999	29674	-2	1.91	647	14.63
Blue	B	PerCP-Cy5-5	43732	43588	-1	3.65	1172	20.39
Blue	A	PE-Cy7	30845	31026	0	6.06	591	40.80
Red	C	APC	46112	45656	-1	2.47	1614	12.00
Red	A	APC-Cy7	30458	29549	-3	2.38	782	11.92
Violet	B	V450	7918	7579	-5	4.33	424	13.41
Violet	A	V500	32171	30825	-5	4.16	720	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17353	8.38	623	2	N/A	N/A	Pass
Blue	F	SSC	56830	1.30	564	5	N/A	N/A	Pass
Blue	E	FITC	62	65.51	544	1	0.0200	168	Pass
Blue	D	PE	136	49.68	550	2	0.1702	292	Pass
Blue	B	PerCP-Cy5-5	213	49.42	657	1	0.0089	31	Pass
Blue	A	PE-Cy7	110	101.44	700	2	0.0110	18	Pass
Red	C	APC	382	25.32	588	4	0.0252	176	Pass
Red	A	APC-Cy7	172	28.63	559	3	0.0056	919	Pass
Violet	B	V450	65	59.30	460	2	0.0466	1821	Pass
Violet	A	V500	108	33.25	476	2	0.0238	762	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-32.14	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.69	13.60 - 20.40	N/A	N/A	29.72	30.08	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10404

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments